

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in this application:

Listing of Claims:

1. (original) A method for detecting the presence of an analyte particle in a fluid, said method comprising, sequentially:
filtering a sample of said fluid to remove particles in said sample larger than said analyte particle;
adding to said sample a reagent that interacts with said analyte particle to form a reagent-analyte particle complex that is larger than said analyte particle;
filtering said sample to remove particles from said sample that are smaller than said reagent-analyte particle complex;
testing said sample for the presence of said reagent-analyte particle complex to detect the presence of said analyte particle in said fluid.
2. (original) A method in accordance with claim 1, wherein said fluid is a biological fluid.
3. (original) A method in accordance with claim 2, wherein said biological fluid is blood.
4. (original) A method in accordance with claim 3, wherein said analyte particle is human immunodeficiency virus.
5. (original) A method in accordance with claim 1, wherein said analyte particle is a virus.
6. (canceled)
7. (currently amended) A method in accordance with claim ~~6~~ 4, wherein said reagent is truncated CD4 glycoprotein.

Appl. No. 10/601,378
Amdt. dated May 29, 2007
Reply to Office Action of November 29, 2006

8. (original) The method of claim 7, wherein said filtering is performed using micro-injected molded plastic.

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17. (canceled)

18. (canceled)

19. (canceled)

20. (canceled)

21. (canceled)
22. (previously presented) A method for detecting the presence of human immunodeficiency virus in a fluid, said method comprising sequentially:
filtering a sample of said fluid to remove particles in said sample larger than said human immunodeficiency virus;
adding to said sample a reagent that interacts with said human immunodeficiency virus to form a reagent- human immunodeficiency virus complex that is larger than human immunodeficiency virus;
filtering said sample to remove particles from said sample that are smaller than said reagent- human immunodeficiency virus complex;
testing said sample for the presence of said reagent- human immunodeficiency virus complex to detect the presence of said human immunodeficiency virus in said fluid.
23. (previously presented) A method in accordance with claim 22, wherein said reagent is truncated CD4 glycoprotein.
24. (previously presented) A method in accordance with claim 23, wherein said fluid is a biological fluid.
25. (previously presented) A method in accordance with claim 24, wherein said biological fluid is blood.
26. (new) A method for detecting the presence of human immunodeficiency virus in a fluid, said method comprising:
filtering a sample of said fluid to remove all particles in said sample larger than said human immunodeficiency virus to form a filtered fluid;
introducing said filtered fluid into a chamber;

adding to said filtered fluid a reagent that provides a binding site for any human immunodeficiency virus in said filtered fluid to form a reagent-human immunodeficiency virus complex that is larger than said human immunodeficiency virus in said chamber;
filtering said sample after said adding to remove particles from said chamber that are smaller than said reagent-human immunodeficiency virus complex to form a remaining sample in said chamber;
testing said remaining sample in said chamber for the presence of a residue of said reagent-human immunodeficiency virus complex, wherein said residue in said chamber identifies the presence of said human immunodeficiency virus within said fluid.

27. (new) A method in accordance with claim 26, wherein said reagent is truncated CD4 glycoprotein.
28. (new) A method in accordance with claim 27, wherein said fluid is a biological fluid.
29. (new) A method in accordance with claim 28, wherein said biological fluid is blood.